Weekly Report

Lu Junhua

2016 年 4 月 10 日

Schedule

- *Project*: One project is the visualization of T-GRAM data. Prof. Chen will discuss it with me later. Also, I will discuss with Prof Wu about some topics on game data (i.e., predictive analysis).
- *Research*: The aforementioned projects are included. If I come up with good ideas to write a paper, I will write it down. However, I am not clear about the projects for the moment so that I will detail them in the days to come.
  I will learn to read papers in a targeted way, ignore the details and seize the key points. I learn several lessons from the previous projects: to organize things in a better way, to obtain insights from others' works, and to avoid unrealistic ideas.
- *Internship*: No internship.
- *Skills*: Learn basic skills of Javascript.

  before May 15^{th}, basics of Javascript,

  before June 30^{th}, skills of an MVC framework (e.g., AngularJS).

  I will learn other languages if needed in projects. Moreover, I will try to master more algorithms (including basis algorithms introduced in CS bachelor and machine learning & data mining methods).
- *summer vacation*: I haven't decided when to take a vacation, maybe the hottest days of July and August.

Done this week

1. I finished revision of the survey (1st round).

2. I watched the demo video of Game Analytics on www.dataiku.com (http://www.dataiku.com/blog/2016/04/05/how-to-predict-churn-in-world-of-warcraft.html). It is a classification problem to predict the churn (用户流失). This demo do not show many advantages over simple SQL (from my point of view), but if it can be combined with visualization it can be splendid (from Xiao Ma's point of view). The analysts derived lots of derived data from the original one. I am not sure about whether this way could improve the precision of classification or not.

Also, it provides another game data file of WOW (another famous MMORPG) collected by 中央研究院. A famous professor has many publications on Network Games (http://www.iis.sinica.edu.tw/~swc/ngbib.html)

Other plans

1. The end of Spring semester is approaching. I have to review the course materials, accomplish the assignments and prepare for the exams of Computer Graphic II, Computation Theory, and Applied Mathematics in Computer Science I before May.